

Supplementary Materials:

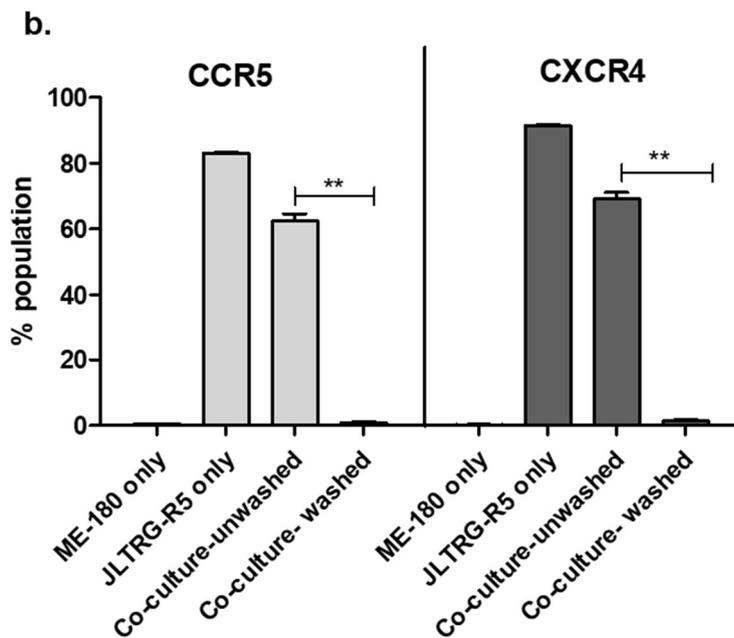
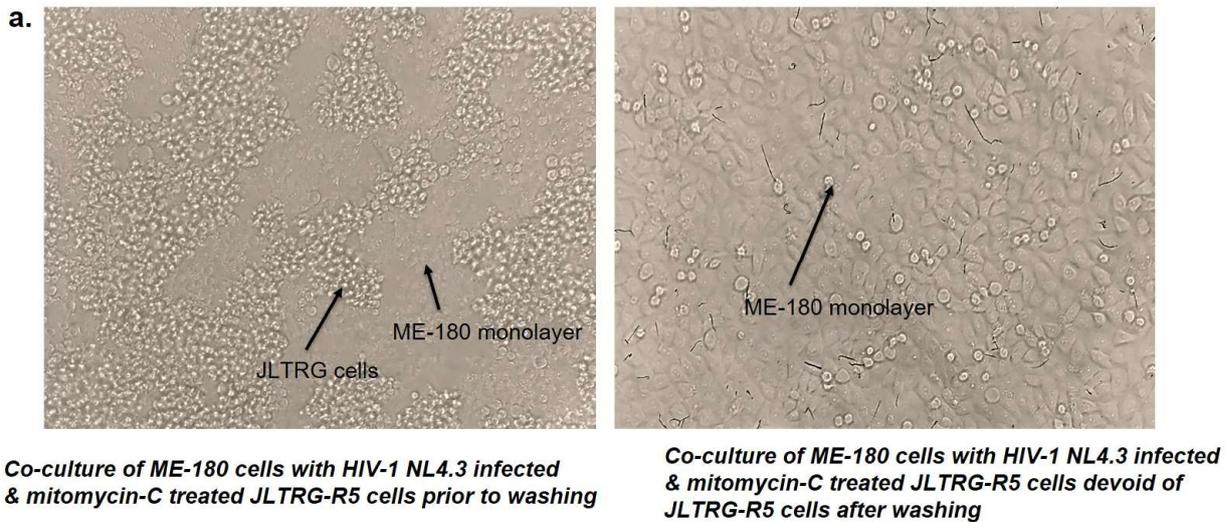


Figure S1. Validation of absence of T cells from ME-180 co-cultures post Mitomycin-C treatment and washing. (a) Microscopic examination of co-culture of ME-180 and JLTRG-R5 (infected, Mitomycin-C treated) wells before washing image of co-culture after washing thoroughly three times which shows no JLTRG-R5 cells, (b) Expression of co-receptors: CCR5 and CXCR4 in the ME-180 cells co-cultured with infected JLTRG-R5 cells under different experimental conditions using flow cytometry.

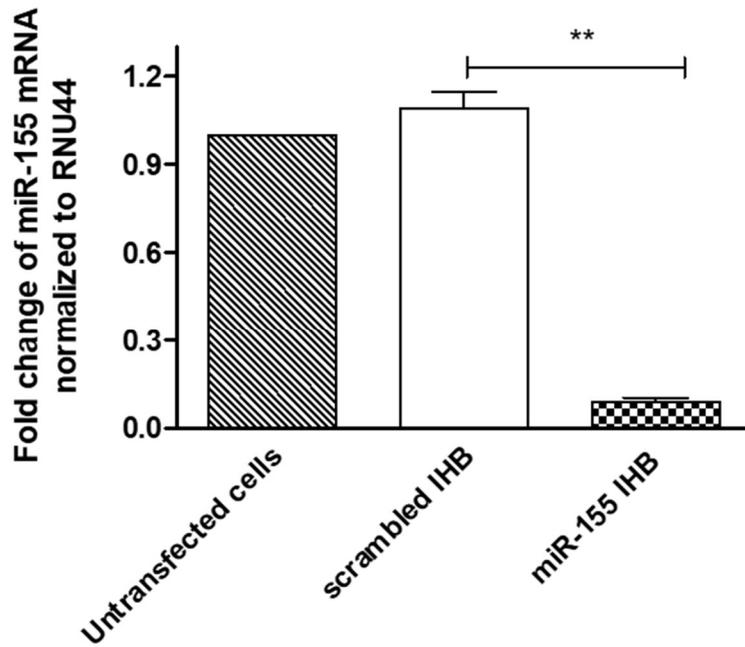


Figure S2: Validation of miR-155 depletion in ME-180 cells upon miR-155 inhibitor treatment. ME-180 cells were transfected with 100 nM of miR-155 inhibitor, or scrambled miRNA inhibitor (mock) or left untransfected. Expression of miRNA-155 gene was assessed by real-time PCR.

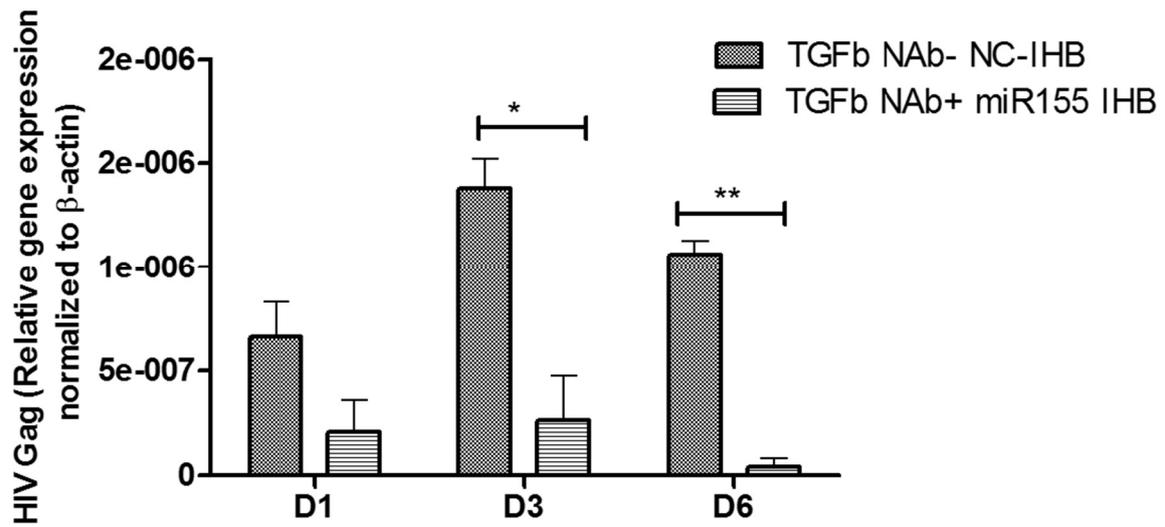


Figure S3: Effect of TGF- β neutralization and miR-155 inhibition on HIV Gag gene expression. ME-180 cells were transfected with miR-155 inhibitor or scrambled miRNA control and then treated with TGF- β NAb in the miR-155 inhibited cells prior to co-culture. At the indicated time-points GAG gene expression was assessed by Real-time PCR. Gag mRNA expression was normalized to β -actin.

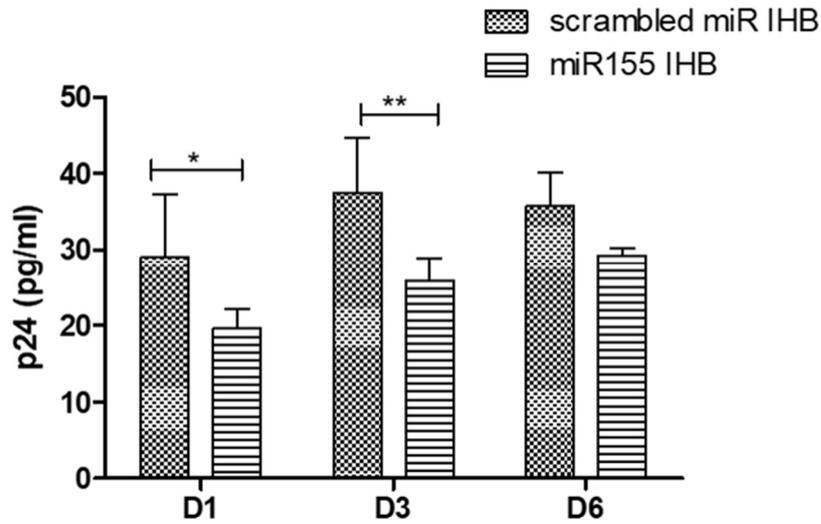


Figure S4: Effect of miR-155 inhibition alone on the HIV-1 release in the co-cultured ME-180 cells. ME-180 cells were transfected with miR-155 inhibitor or scrambled miRNA inhibitor prior to co-culture with HIV-1 infected JLTRG-R5 cells (mitomycin-C treated). HIV-1 release was assessed by measuring p24 ELISA in the supernatant at the indicated time-points.